


HD ONE X S Control Card Key Names

R S T	Main supply	
MP	Mains neutral	
1	Cabine Feed input	
2	Cabine Light Feed	
LIR1	Open door magnetic Common relay contact	
LIR2	Open door magnetic relay contact opening	
A3	Door Open Signal	
A5	Door Close Signal	
A15	Door Open/Close Common Signal Contact	
10A	Safety Circuit Neutral Return	
120	Stop Circuit	 Max. 230 Vac
130	Door Plug Contact Circuit	
140	Door Lock Circuit	
10B	Contactors' Neutral Output	
M0	Floor counter magnetic switch input	
M1	Floor counter magnetic switch input	
ST	Used To Change The Direction Of The Recovery System.	
ML1	ML1 Signal	Door zone magnetic switch inputs. Signal connections vary depending on the type of elevator drive. In Dual-speed system M1 and 142 is used. In hydraulic and VVVF system ML1, ML2,141 and 142 are used.
ML2	ML2 Signal	
141	Down Stop&Deceler.Signal	
142	Up Stop& Deceler. Signal	
RGA	Regulators monitoring input	
FRN	Brake monitoring input (Used for synchronous motors.)	
RGK	Not used.	
KRC	Feedback Input of the main contactor. The normally closed contacts of the 100 signal of the main contactor must be connected serially to this entry	
S2A-S2B	Group Control Communication Terminals	
S1A-S1B	Cabin Serial Communication Terminals (With HD SERIAL cards)	
100	Control Circuits Feed (+24Vdc)	
1000	Control Circuits Feed (0V)	
PTC	Motor Thermistor & Panel Thermostat & Oil Thermostat (Hydraulic) & Brake Resistance Thermostat (VVVF). As long as there is a signal.	
XX1	Door Close Limit Signal	On doors where the HD One XS doesn't use the door limits, these inputs must be bridged with a 100 connector (except for the single and three phase doors)
XX2	Open Door Limit Signal	

Relay Outputs of **HD ONE X S** card according to type of elevator drive

Relay Outputs for Dual Speed Lifts:

11	RU1, RU2, RH, RF Common Contactors Feed Voltage
RU2	Up Direction Contactor
RH	High Speed Contactor
RU1	Down Direction Contactor
RF	Low Speed Contactor

Relay Outputs for Hydraulic lifts:

11	Common Valve Feed Voltage
RU2	Up Slow Valve
RH	Up Fast Valve
RU1	Down Fast Valve
RF	Down Slow Valve
RLC	Mains and Rescue Common Contactor Feed
KAK	Rescue Contactor Feed
SAK	Mains Contactor Feed
RPA	Up Contactor
RTC	Triangle Contactor
RTO	Star Contactor
RTCOM	Contactor Feed Voltage
RYA	A3 Valve Voltage
RYB	A3 Valve Output

If 31, 32, 02 and 12 signal outputs are 100:



If 31, 32, 02 ve 12 signal outputs are 1000:



Shape 2: The 3 Pin jumper Connection you can find in the **HD ONE X S** Card

Relay Outputs for VVVF Lifts:			
	Geared Drive (asynchronous Machine)	Gearless Drive(Synchronous Machine)	
		Passive Recovery By Releasing Brakes	Motor driving active
11	Common VVVF Signals Feed Voltage	Common VVVF Signals Feed Voltage	Common VVVF Signals Feed Voltage
RU2	Up Directional Signal	Up Directional Signal	Up Directional Signal
RH	High-Speed Signal	High-Speed Signal	High-Speed Signal
RU1	Down Signal Direction	Down Signal Direction	Down Signal Direction
RPA	Main Contactor (RPA, RPB)	Main Contactor (RPA, RPB)	Main Contactor (RPA, RPB)
RPB	The main contactor (RPA, RPB) Feed Voltage	The main contactor (RPA, RPB) Feed Voltage	The main contactor (RPA, RPB) Feed Voltage
RYA	Leveling speed input	Leveling speed input	Leveling speed input
RYB	Leveling speed output	Leveling speed output	Leveling speed output
RLC	KAK, SAK Common Relay Input	KAK, SAK Common Relay Input	KAK, SAK Common Relay Input
KAK	Rescue contactor output	Rescue contactor output	Rescue contactor output
SAK	Mains contactor output	Mains contactor output	Mains contactor output
G0-G3	Grey code outputs	Grey code outputs	Grey code outputs
RT COM	Common Regulator input coil	Common Regulator input coil	Common Regulator input coil
RTO	Regulator output coils	Regulator output coils	Regulator output coils
S1A-S1B	Cabinet Series (HD SERIES) Communication Terminals		
S2A-S2B	Group Control Communication Terminals		

Important: For VVVF systems the Asynchronous / Synchronous drive type setting is set up BY SELECTING the RESCUER as ACTIVE in the HD ONE X S Menu.

HD KLS Card Key Names

869	Revision Key (from the Revision Box)
500	Revision Downward Button
501	Revision Upward Button
FRI	Fire Alarm Contact
DEP	Earthquake Alarm Contact
DTS	Door Close Button
K20	Door Open Button & Door Jam & Photocell Contact
804	Overload Contact
805	Full load Contact
VAT	Attendant key
817	Down Obligatory limit Magnetic Switch
818	Up Obligatory limit Magnetic Switch
869-P	Revision Key(to Controller Card)
190	Common Out Call Simple Command
A-2G	7-Segment Indicator Outputs
X1-X16	In/Out Controller Recorder Inputs
02	Out of Service Lights
12	Busy Lights
031	Downward Arrow Light
032	Upward Arrow Light

HD Panel (Board) Key Names:

869-K	Revision Key (From 869 Terminal of the HD Panel)
869-P	Reset Key (To Controller Card)
100	Reset Buttons Feed
500	Reset Downward Button
501	Reset Upward Button
110	Safety Circuit Feed Phase Output (220Vac)
10	Safety Circuit Feed Neutral Output
10A	Safety Circuit Neutral Return
120	Stop Circuit Return
130	Floor Doors Plug Contact Return
140	Lock Contact Return (Safety Circuit Phase Final Return)
111B-112A	Shaft Bottom Emergency Stop Button
111A-111B	Shaft Lid Contact
111D-111E	Loose Cable Contact
110C-110D	Speed Regulator Pulley Tension Contact
112A-112B	Spare (Burst Hose Contact)
112B-113	Spare (Overpressure Contact)
114A-114B	Speed Regulator Contact
114B-115	Cabine Buffer Contact
115-116	Counter Weight Buffer Contact
117-118	Upper Limit Breaker Contact
116-117	Down Limit Breaker Contact
120-130	Plug Contact Circuit to Floor Doors
130-140	Floor Doors Lock Contact Circuit